

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG ELECTRIC LOGS FILE X WATER SANDS LOCATION INSPECTED GAS SUB REPORT abd

LA- 9-9-82 Well never drilled

DATE FILED 5-18-82

LAND: FEE & PATENTED

STATE LEASE NO

PUBLIC LEASE NO

U-38347

INDIAN

DRILLING APPROVED

5-25-82

SPUDDED IN

COMPLETED

PUT TO PRODUCING

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR

PRODUCING ZONES

TOTAL DEPTH

WELL ELEVATION:

DATE ABANDONED

LA 9-9-82

FIELD:

WILDCAT

3/86

UNIT:

ESCAENTE ANTICLINE UNIT

COUNTY:

GARFIELD

WELL NO

DIXIE #1

API NO. 43-017-30114

LOCATION

720'

FT FROM (X) (S) LINE.

X

2410'

FT FROM (X) (W) LINE.

XX

SE SW

1 4 - 1 4 SEC

29

TWP

RGE

SEC

OPERATOR

TWP

RGE

SEC

OPERATOR

32S

3E

29

EMPIRE DRILLING



POWERS ELEVATION

May 5, 1982

OIL WELL ELEVATIONS — LOCATIONS
ENVIRONMENTAL — ARCHAEOLOGICAL SERVICES
600 SOUTH CHERRY STREET, SUITE 1201
DENVER, COLORADO 80222
PHONE NO. 303/321-2217

State of Utah
Division of Oil, Gas, and Minerals
1558 West, North Temple
Salt Lake City, Utah 84116

RECEIVED
MAY 10 1982

RE: Filing Application for Permit
to Drill and Spacing Exception
Empire Drilling
Dixie #1
SE SW Sec. 29 T32S R3E
720' FSL & 2410' FWL
Garfield County, Utah

**DIVISION OF
OIL, GAS & MINING**

Dear Sir:

Enclosed are three copies of the Federal A.P.D. Form 9-331C, the Location and Elevation Plat, the Ten-Point Compliance Program, and the Blowout Preventer Diagram for the above-referenced well location.

This letter also constitutes a request for topographical exception. Empire Drilling holds a 640 acre lease, all of Section 29; therefore, no other lease owners are being violated.

Please return the approved copies to:

Mr. Orlyn Terry
Empire Drilling
c/o Orlyn Terry
2460 W. 26th Avenue
Denver, Colorado 80211

Very truly yours,

POWERS ELEVATION

Connie L. Frailey

Connie L. Frailey
Vice President, Environmental Services

CLF/sfh
Enclosures

cc: Orlyn Terry

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Empire Drilling

3. ADDRESS OF OPERATOR

c/o Orlyn Terry, 2460 W. 26th Avenue, Denver, Colorado 80211

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

720' FSL & 2410' FWL (SE SW)

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

The location is 34.9 miles north of Escalante, Utah

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

720'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

80

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

3700' *Cedar Mesa*

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

8353' GR

22. APPROX. DATE WORK WILL START*

June 1, 1982

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20" New	53.6# H-40 8 rd.	120'	Cement in place.
12 1/4"	9 5/8" New	36# K-55 ST&C	1100'	250 sxs Class "H" 3% CaCl ₂ .
7 7/8"	5 1/2" New	15.5# K-55 LT&C	3700'	250 sxs Class "H" 3% CaCl ₂ .

1. Drill 26" hole and set 120' interval of conductor pipe and cement in place.
2. Drill 12 1/4" hole and set 9 5/8" surface casing to 1100' with good returns.
3. Log B.O.P. checks in daily drill reports and drill 7 7/8" hole to 3700'.
4. Run tests if warranted and run 5 1/2" casing if productive.
5. Run logs, as needed, and perforate and stimulate as needed.

EXHIBITS ATTACHED:

"A" Location and Elevation Plat "H" Drill Rig Layout
"B" The Ten-Point Compliance Program
"C" The Blowout Preventer Diagram
"D" The Multi-Point Requirements for A.P.D.
"E" & "E₁" Access Road Maps to Location
"F" Radius Map of Field
"G" & "G₁" Drill Pad Layout, Production Facilities & Cut-Fill Cross-Sections

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

John Gable

TITLE

President

DATE 3/5/82

(This space for Federal or State office use)

PERMIT NO.

43-017-30114

APPROVAL DATE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 5/21/82

BY: *[Signature]*

APPROVED BY

TITLE

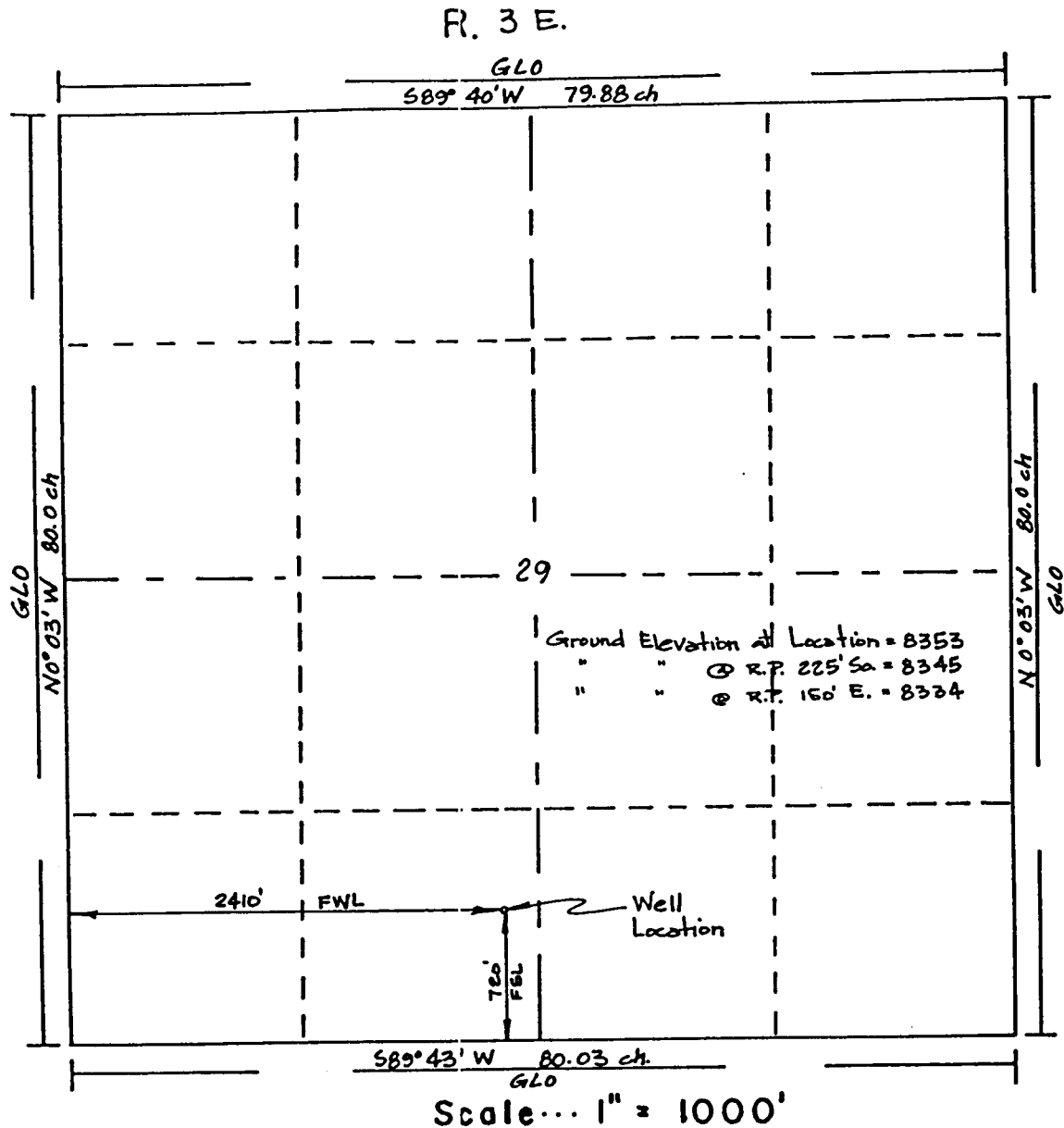
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side



EXHIBIT "A"

Location & Elevation Plat



T. 32 S.

Powers Elevation of Denver, Colorado
has in accordance with a request from ORLYN TERRY
for EMPIRE DRILLING
determined the location of DIXIE #1
to be 720' FSL & 2410' FWL of Section 29 Township 32 South
Range 3 East of the SALT LAKE Meridian
GARFIELD County, UTAH

I hereby certify that this plat is an
accurate representation of a correct
survey showing the location of

Date: APRIL 23, 1982

T. Nelson
Licensed Land Surveyor No. 2711
State of UTAH

EXHIBIT "B"
TEN-POINT COMPLIANCE PROGRAM
OF NTL-6 APPROVAL OF OPERATIONS

Attached to From 9-331C
Empire Drilling
Dixie #1
SE SW Sec. 29 T32S R3E
720' FSL & 2410' FWL
Garfield County, Utah

1. The Geologic Surface Formation

The surface formation is the Navajo Sandstone.

2. Estimated Tops of Important Geologic Markers

Chinle	900'
Shinarump	1340'
Moenkopi	1500'
Timpowcap	2250'
Kaibab	2360'
Toroweap-White Rim	2530'
Organ Rock	3115'
Cedar Mesa	3580'
Total Depth	3700'

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

Cedar Mesa	3700'	Gas
Cedar Mesa	3700'	Water

4. The Proposed Casing Program

<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>SECTION LENGTH</u>	<u>SIZE (OD)</u>	<u>WEIGHT, GRADE & JOINT</u>	<u>NEW OR USED</u>
26"	0-120'	120'	20"	53.6# H-40 8 rd.	New
12 1/4"	0-1100'	1100'	9 5/8"	36# K-55 ST&C	New
7 7/8"	0-3700'	3700'	5 1/2"	15.5# K-55 LT&C	New

Cement Program -

Conductor Pipe: Cement to surface with ready mixed concrete.

Surface Casing: Cement with 250 sacks, Class H, 3% CaCl₂

Production Casing: Cement with 250 sacks, Class H, 3% CaCl₂

5. The Operator's Minimum Specifications for Pressure Control

EXHIBIT "C" is a schematic diagram of the blowout preventer equipment. The BOP's will be hydraulically tested to half of working pressure after nipping up and after any use under pressure. Pipe rams will be operationally checked each 24-hour period, as will blind rams and annular preventer each time pipe is pulled out of the hole. Such checks of BOP will be noted on daily drilling reports.

Accessories to BOP will include a kelly cock, floor safety valve, drill string BOP and choke manifold with pressure rating equivalent to the BOP stack.

6. The Type and Characteristics of the Proposed Circulating Muds

This well will be drilled with air mist from surface to total depth. Exhaust will be muffled. Other materials will be on site to handle any anticipated downhole problems as well as possible spills of fluid on the surface. If water flow is encountered, the well will be drilled with mud.

<u>DEPTH</u>	<u>TYPE</u>	<u>WEIGHT #/gal.</u>	<u>VISCOSITY-sec./qt.</u>	<u>FLUID LOSS cc</u>
0-3700'	Gel-chem	9	35 - 40	N/C

7. The Auxiliary Equipment to be Used

(a) A kelly cock will be kept in the string.

- (b) A float will not be used at the bit.
- (c) A gas detecting device will be monitoring the system.
- (d) A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly is not in the string.

8. The Testing, Logging and Coring Programs to be Followed

- (a) Drill Stem Tests will be determined during drilling.
- (b) The logging program will consist of the following:
 - Induction Surface - TD
 - Density Surface - TD

Other logs will be determined at site to best evaluate any shows.
- (c) No coring is anticipated.
- (d) Stimulation procedures will be determined after evaluation of logs. If treatment is indicated, appropriate Sundry Notice will be submitted for approval.

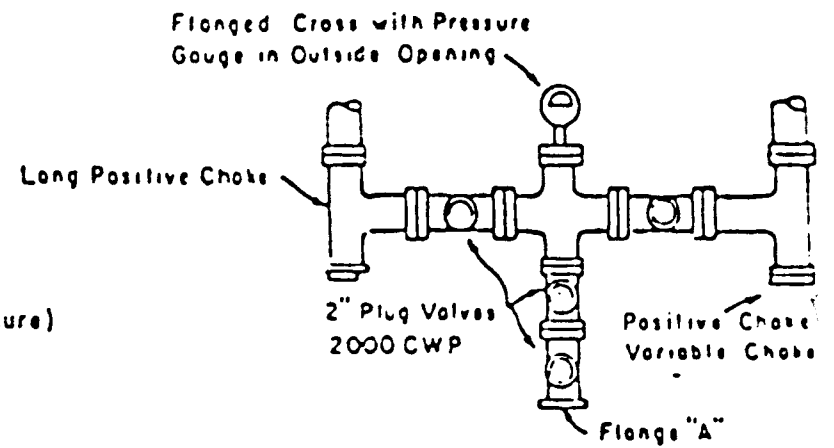
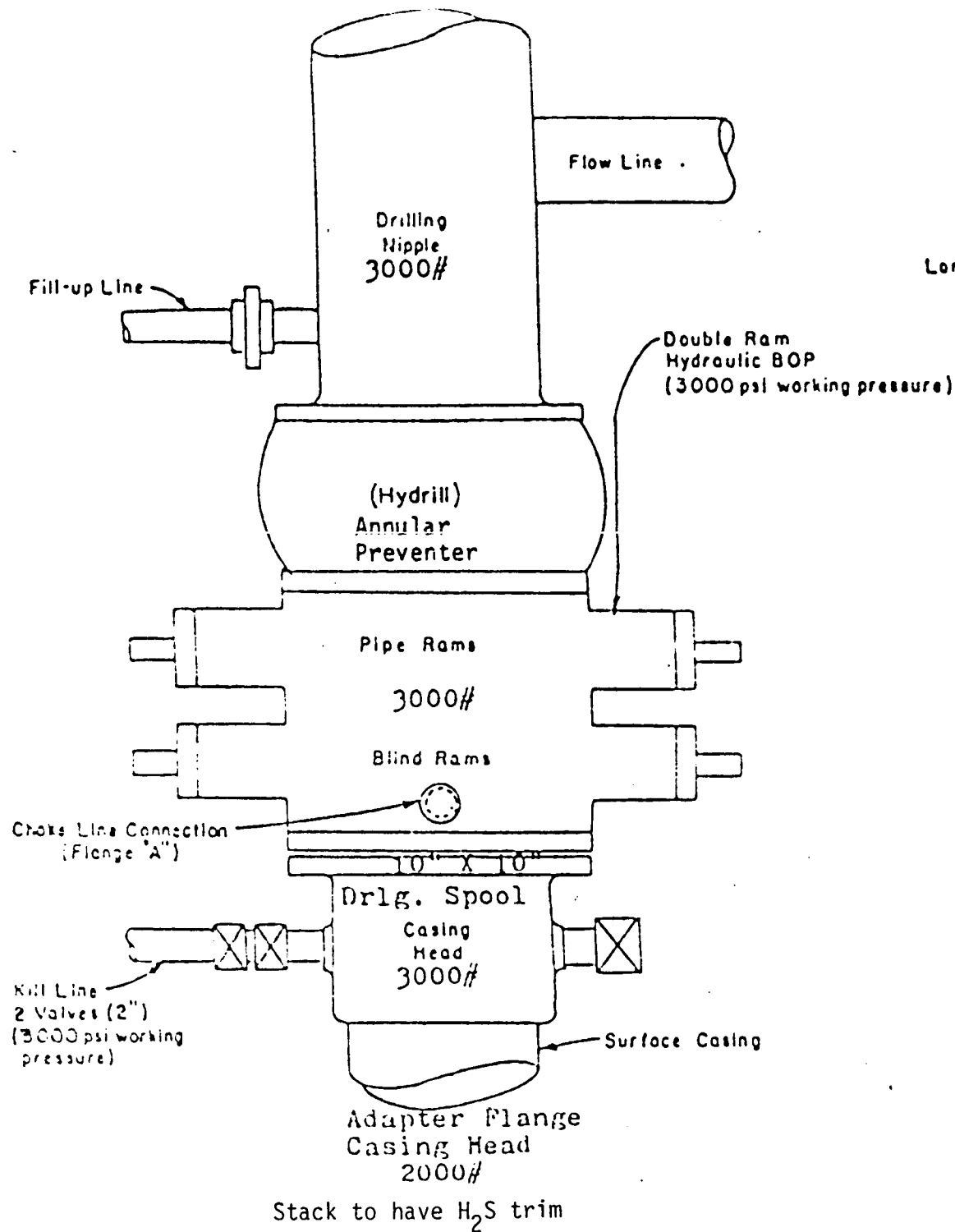
9. Any Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well. Bottom hole pressure expected is 110 psi \pm .

No hydrogen sulfide or other hazardous fluids or gases have been found, reported or known to exist at these depths in the area.

10. Anticipated Starting Date Duration of the Operations

The anticipated starting date is set for June 1, 1982, or as soon as possible after examination and approval of drilling requirements. Operations should be completed within 20 days after spudding the well to casing point.



PLAN VIEW - CHOKE MANIFOLD



POWERS ELEVATION

OIL WELL ELEVATIONS — LOCATIONS
ENVIRONMENTAL — ARCHAEOLOGICAL SERVICES
800 SOUTH CHERRY STREET, SUITE 1201
DENVER, COLORADO 80222
PHONE NO. 303/321-2217

May 13, 1982

State of Utah
Division of Oil, Gas, and Minerals
1558 West, North Temple
Salt Lake City, Utah 84116
Attn: Arlene Sollis

RE: Topographical Exception
Empire Drilling
Dixie #1
SE SW Sec. 29 T32S R3E
720' FSL & 2410' FWL
Garfield County, Utah

RECEIVED
MAY 18 1982

DIVISION OF
OIL, GAS & MINING

Dear Ms. Sollis:

Enclosed please find three copies of EXHIBIT "E", Detail of Access Road (topographic map) and EXHIBIT "G", Drill Rig Layout and Production Facilities, which shows contour lines, for the above-referenced well location.

If anything further is requested, please advise.

Sincerely,

POWERS ELEVATION

Connie L. Frailey

Connie L. Frailey
Vice President, Environmental Services

CLF/sfh
Enclosures

cc: Orlyn Terry, Empire Drilling, c/o Orlyn Terry, 2460 W. 26th Avenue
Denver, Colorado 80211

EXHIBIT "E₁"
Detail of Access Road

1. Location:
Empire Drilling
Dixie #1
SE SW Sec. 29 T32S R3E
720' FSL & 2410' FWL
Garfield County, Utah

Color Coding
— Sand Creek Road-1
Lane Dirt, now be-
ing upgraded
— Gravel Road

490 000
FEET

4207

4206

38° 00'

20 5000m. N.

4204

4203

4202

Roger
Peak
9115

Drill
Hole

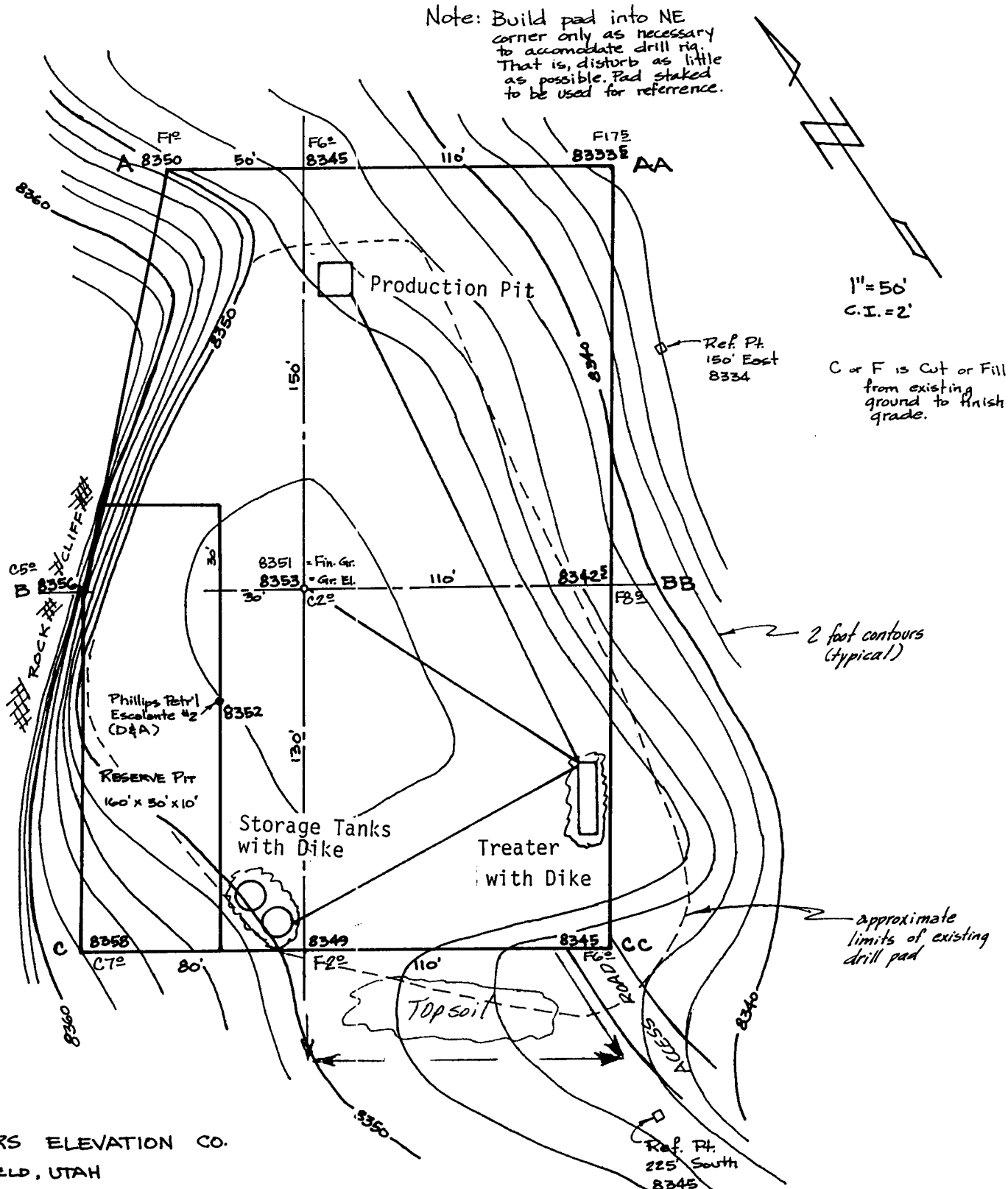
Hells
Backbone

Gravel
Pit
9340

4

EMPIRE DRILLING
DIXIE #1
720 FSL } Sec. 29-32S-3E
2410 FWL }
GARFIELD Co., UTAH

EXHIBIT "G"
Drill Pad Layout and
Production Facilities



POWERS ELEVATION CO.
RICHFIELD, UTAH

April 23, 1982

E.S. STEGEMAN

**** FILE NOTATIONS ****

DATE: 5-12-82

OPERATOR: Empire Milling

WELL NO: Well #1

Location: Sec. ^{SESW} 29 T. 32S R. 3E County: Garfield

File Prepared: ☒

Entered on N.I.D: ☐

Card Indexed: ☐

Completion Sheet: ☐

API Number 43-017-30114

CHECKED BY:

Petroleum Engineer: Unit well, ESCALANTE ANTICLINE

Director: _____

Administrative Aide: Unit B-3
As per Rule C-3(c)
(Exception location, and top & bottom of segment)

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation Ad.

Plotted on Map ☒

Approval Letter Written ☒

Hot Line ☒

P.I. ☒

May 25, 1982

Empire Drilling
c/o Orlyn Terry
2460 W. 26th Ave.
Denver, Colo. 80211

RE: Well No. Dixie #1,
Sec. 29, T. 32S, R. 3E,
Garfield County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953 and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

CLEON B. FEIGHT
Office: 533-5771
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-017-30114.

Sincerely,

DIVISION OF OIL, GAS AND MINING


Ronald J. Firth
Chief Petroleum Engineer

RJF/db
CC: Minerals Management Service
Enclosure

Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

September 9, 1982

Empire Drilling
c/o Orlyn Terry
2460 W. 26th Ave.
Denver, Colorado 80211

Re: Application for Permit to Drill
Well No. 1
Section 29-T32S-R3E
Garfield County, Utah
Lease No. U-38347

Gentlemen:

The referenced Application for Permit to Drill was received in this office on May 6, 1982.

Based on information provided to our Environmental Scientist George Diwachak, by Powers Elevation Company, we understand that you have no present plans to drill this well. Therefore, we are returning your application unapproved.

If you have any questions, please feel free to call.

Sincerely,

E. W. Gynn
District Oil & Gas Supervisor

bcc: SMA
State O&G ✓
State BLM
ES-GD
Well File
APD Control
DH/dh



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 22, 1982

Empire Drilling
c/o Orlyn Terry
2460 W. 26th Ave.
Denver, Colorado 80211

RE: Well No. Dixie #1
Sec. 29, T.32S, R.3E
Garfield County, Utah

Gentlemen:

State of Utah approval to drill the referenced well is rescinded immediately due to return of the Federal permit. This action is without prejudice, and should you later choose to drill the well, you may re-submit for State approval.

Respectfully,

Norm Stout
Administrative Assistant

NS/as
cc: Minerals Management Service